

## SYSTEM AND METHOD FOR SHUFFLING MAPPING SEQUENCES

### ABSTRACT OF THE DISCLOSURE

A sequence mapping circuit and method for digital audio circuits generates a pulsed output. Over time, the mapping circuit generates pulses with a substantially identical average centroid for each of the possible output waveforms. For at least some of the output waveforms, two or more sets of pulses are provided representing the same waveform but having different centroids. The output is alternated among the available sets of pulses to maintain the desired average centroid over time. Shuffling of the output among the available pulses representing a given waveform may be randomly determined, or the pulses used may be tracked and the output pulses sequentially alternated among the available output pulses. The shuffled mapping method reduces output harmonics compared to conventional static mappers.

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